

PATENT
The Eclipse Group Docket No. HI02001USU1 (P01018USU1)

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1. AMENDMENTS

A. IN THE CLAIMS

Please amend the claims as follows:

1.-2. (Canceled)

3. (Currently Amended) A loudspeaker system comprising:

a loudspeaker having a loudspeaker housing;

a mounting mechanism for mounting the loudspeaker housing to a structure, where the mounting mechanism includes:

a shaft for coupling the mounting mechanism to the loudspeaker housing;

an arm member including a base section;

an interface section substantially located in a region of the base section; and

a post extending through between the base section and the interface section along an axis generally orthogonal to a mounting direction; and

a spring mechanism affixed to the post and contacting the arm member for biasing the arm member into engagement with the structure,

where the arm member is pivotably coupled to the interface section for rotation about the post, the arm member being pivotally rotatable independent of any movement of the shaft; and where the interface section and the arm member via the interface section are movably coupled to the shaft and adjustable generally along the mounting direction.

4. (Canceled)

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5. (Previously presented) The loudspeaker system of claim 3 where the shaft threadedly engages the interface section and a position of the arm member and interface section is adjustable generally along the mounting direction through rotation of the shaft.
6. (Previously presented) The loudspeaker system of claim 3 where the interface section has a bore and the shaft is disposed in the bore.
7. (Previously presented) The loudspeaker system of claim 6 where the shaft movably engages the bore for adjusting a position of the mounting mechanism relative to the loudspeaker housing.
8. (Canceled)
9. (Canceled)
10. (Cancelled)
11. (Previously presented) The loudspeaker system of claim 3 where the arm member comprises an attachment edge for engaging the structure.
12. (Previously presented) The loudspeaker system of claim 11 where the attachment edge comprises a toothed surface.

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13.-22 (Canceled)

23. (Currently Amended) A loudspeaker system comprising:

a loudspeaker;

a loudspeaker housing adapted for insertion into the opening of a structure along a mounting direction;

a mounting assembly for mounting the loudspeaker housing in the opening;

a mounting mechanism coupled to the housing and including:

an arm member including a base section;

an interface section substantially located in a region of the base section;

a post extending through ~~between~~ the base section and the interface section along an axis generally orthogonal to the mounting direction; and

a spring mechanism affixed to the post and contacting the arm member for biasing the arm member into engagement with the structure.

where the arm member is pivotably coupled to the interface section for rotation about the post between a first position and a second position, and where at the first position the arm member enables insertion of the loudspeaker housing in the opening, and at the second position the arm member extends generally away from the housing into engagement with a surface of the structure defining the opening; and where the
~~— a spring mechanism connected to the arm member for biasing~~ the arm member toward the second position; and

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a shaft interconnecting the mounting mechanism and the loudspeaker housing, where the arm member of the mounting mechanism is pivotal between the first position and the second position independent of any movement of the shaft.

24. (Canceled)

25. (Previously presented) The loudspeaker system of claim 23 where the mounting mechanism is movably coupled to the shaft for adjusting a position of the arm member relative to the loudspeaker housing along the mounting direction.

26. (Currently Amended) The loudspeaker system of claim 25 where the mounting mechanism comprises an interface section movably coupled to the shaft and the arm member is pivotably coupled to the interface section via the post and spring mechanism.

27. (Withdrawn) A method for mounting a housing assembly to a structure including a side edge defining an opening, the method comprising:

providing the housing assembly with a housing and an arm member coupled to the housing, the arm member movable between an open position at which the arm member extends generally away from the housing beyond the side edge and a closed position at which the arm member is retracted generally toward the housing;

inserting the housing assembly into the opening, where the arm member contacts the side edge and moves toward the closed position; and

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continuing to insert the housing assembly into the opening until the arm member clears the side edge and moves toward the open position, where at least a portion of the arm member is disposed adjacent to a back side of the structure to prevent removal of the housing assembly from the opening while the arm member is in the open position.

28. (Withdrawn) The method of claim 27 where the housing assembly is a part of a loudspeaker assembly.

29. (Withdrawn) The method of claim 27 where inserting the housing comprises inserting along a mounting direction, and movement of the arm member between the open and closed positions translates the arm member portion generally along a lateral direction orthogonal to the mounting direction.

30. (Withdrawn) The method of claim 27 where contact of the arm member with the side edge forces the arm member to move toward the closed position in opposition to a biasing force impressed by a spring connected to the arm member, and movement of the arm member toward the open position is assisted by the spring force.

31. (Withdrawn) The method of claim 27 comprising, after the arm member portion is disposed adjacent to the back side of the structure, adjusting a position of the arm member relative to the housing to cause the arm member portion to abut the back side.

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32. (Withdrawn) The method of claim 31 where the arm member is movably coupled to the housing through a shaft, and adjusting the position of the arm member comprises moving the arm member relative to the shaft.

33. (Withdrawn) The method of claim 31 where the arm member is pivotably coupled to an interface section and a threaded shaft is mounted to the housing and mated to threads of the interface section, and adjusting the position of the arm member comprises turning the shaft.

34. (Currently Amended) A loudspeaker system comprising:

a loudspeaker housing;

a shaft; and

a mounting mechanism comprising an arm member, an interface section, and a post extending through between the arm member and the interface section along an axis generally orthogonal to a mounting direction and a spring mechanism positioned on the post and contacting the arm member for biasing the arm member in a locked position, where the arm member is pivotably coupled to the interface section for rotation about the post, the arm member being pivotally rotatable independent of any movement of the shaft; and where the interface section and the arm member via the interface section are movably coupled to the shaft and adjustable generally along the mounting direction.

35. (Canceled)

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36. (Previously presented) The loudspeaker system of claim 35 where the shaft threadedly engages the interface section and a position of the arm member and interface section is adjustable generally along the mounting direction through rotation of the shaft.

37. (Previously presented) The loudspeaker system of claim 35 where the interface section has a bore and the shaft is disposed in the bore.

38. (Previously presented) The loudspeaker system of claim 37 where the shaft movably engages the bore for adjusting a position of the mounting mechanism relative to the loudspeaker housing.

39. - 41. (Canceled)

42. (Previously presented) The loudspeaker system of claim 34 where the arm member comprises an attachment edge for engaging the structure.

43. (Previously presented) The loudspeaker system of claim 42 where the attachment edge comprises a toothed surface.

44. (Previously presented) The loudspeaker system of claim 3 where the base section includes a first portion and a second portion and the interface section is substantially located between the first portion and the second portion of the base section.

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45. (Previously presented) The loudspeaker system of claim 3 where the interface section is substantially located in a central cavity of the base section.

46. (Previously presented) The loudspeaker system of claim 3 where the shaft extends through the interface section and the base section.